

While the crest stages along the rivers were not unusually high, except at Brownsville, Pa. the damage was much greater than is usual for such stages, due to the swiftness of the Monongahela. The river men informed us that the Monongahela was never known to be so swift. The result was an unusually heavy loss to shipping interests.

Severe local flooding occurred in several of the smaller tributaries of the Ohio River between Wheeling and Huntington, W. Va., early in June. Fish Creek, Fishing Creek, and Middle Island Creek, southern tributaries of the Ohio in West Virginia, had the highest stages since 1913. Among the northern tributaries affected were Hocking River and Racoon Creek. The latter stream enters the Ohio River just below Point Pleasant, Ohio. The Weather Bureau maintains service only on the Hocking River and the crest in that river reached Athens, Ohio, on June 5 at a stage of 18.95 feet.

A period of occasional heavy rains over the watershed of the White River in Indiana resulted in a substantial rise in that river which had been at unusually low stages. Flood stage was exceeded only at Edwardsport, Ind., on the West Fork, where a stage of 13.4 was reached on June 12.

Stream flow increased somewhat during mid-June in the Tennessee River, but again approached critically low levels at the close of the month.

*West Gulf of Mexico drainage.*—In the reach of the Trinity River from Dallas to Trinidad, Tex., the highest stages since 1908 were experienced during the month. The Rio Grande and the Pecos Rivers which were in high

*Estimated flood losses and savings for June 1941.*

River and drainage	Tangible property	Matured crops	Prospective crops	Live-stock and other movable farm property	Suspension of business	Total losses	Total savings
<i>Upper Mississippi Basin</i>							
Root River (Minnesota)		\$2,000				\$2,000	
<i>Missouri River Basin</i>							
Solomon River	\$9,500	161,600	\$44,000	\$7,450	\$5,500	227,450	\$30,000
Saline-Smoky Hill River	21,000	102,000	55,000	12,000	2,500	192,500	40,000
Republican River	792,180		1,203,380	14,700	91,300	2,101,560	(?)
Big Blue River	784,500	375,000	359,120	58,000	60,000	1,636,620	200,000
Kansas River	61,250	122,500	92,000		20,400	296,150	107,500
Grand River (Missouri)			30,000			30,000	3,000
Osage River (Kansas)	5,500	11,000	13,500	5,000		35,000	1,000
Missouri River	330,225	275,500	1,443,500	27,900	13,900	2,091,025	197,500
<i>Ohio River Basin</i>							
Allegheny River	20,000					20,000	25,000
Monongahela River	730,000		100,000			830,000	1,000,000
Ohio River	40,000		5,000			45,000	50,000
<i>Arkansas River Basin</i>							
Verdigris and Cimarron Rivers	4,500	40,000	80,000		30,000	154,500	250,000
Neosho River	127,000	485,000	229,000	500	19,000	860,500	399,000
North Canadian River	102,500	4,000	122,000	6,500	5,300	240,300	18,500
Canadian River	153,800	118,500	53,800	23,700	8,300	362,600	14,000
Arkansas River	6,300	55,000	115,000		100	20,000	196,400
<i>Red River Basin</i>							
Washita River	355,150		969,675			1,324,825	
Red River	19,000					19,000	
<i>West Gulf of Mexico Drainage</i>							
Hubbard Creek (Albany, Tex.)	106,000					106,000	
Rio Grande (lower)	20,500	50,000	75,000	75	20,000	165,575	23,000
Pecos River	65,000	90,000	175,000			330,000	

<sup>1</sup> Includes also matured crops.

<sup>2</sup> Not reported.

<sup>3</sup> Including part of Arkansas River above Fort Smith, Ark.

<sup>4</sup> Losses in May.

<sup>5</sup> Below Fort Smith, Ark.

flood during May continued to flood during much of June. A report of these floods will be given in a later issue of the REVIEW.

*Pacific Slope drainage.*—The seasonal peak of the runoff in King's River was reached on June 6 when a crest of 11.25 feet occurred at Piedra, Calif. The stage at Piedra was also above flood stage (10 feet) in two periods later in the month. The discharge remained above average to the end of the month and a small excess was entering Tulare Lake Basin where additional flooding caused by breaking levees occurred during June.

FLOOD LOSSES AND SAVINGS

Available figures on estimated flood losses and savings during the month of June are given in the table below. Some figures for the past month which were not available in time for inclusion in the May REVIEW are also given here.

FLOOD-STAGE REPORT FOR JUNE 1941

[All dates in June unless otherwise specified]

River and station	Flood stage	Above flood stages— dates		Crest	
		From—	To—	Stage	Date
ATLANTIC SLOPE DRAINAGE					
Santee:	<i>Feet</i>			<i>Feet</i>	
Rimini, S. C. ....	12	28	30	12.4	29
Ferguson, S. C. ....	12	29	(1)	12.1	30
Savannah: Clio, Ga. ....	11	30	(1)		
MISSISSIPPI SYSTEM					
<i>Upper Mississippi Basin</i>					
Rock: Moline, Ill. ....	10	4	6	10.3	5
Mississippi:					
Hannibal, Mo. ....	13	11	12	13.0	11-12
Louisiana, Mo. <sup>4</sup> .....	12	(2)	(2)	12.4	6
<i>Missouri Basin</i>					
Solomon:					
Beloit, Kans. ....	18	8	14	35.9	11
		25	25	18.2	25
		28	(1)		
Niles, Kans. ....	24	14	19	29.1	17
Saline: Tescott, Kans. ....	25	12		29.2	15
Smoky Hill:					
Lindsborg, Kans. ....	21	12	14	24.5	13
Salina, Kans. ....	20	14	16	20.9	15
Enterprise, Kans. ....	26	18	20	27.4	19
Republican:					
Guide Rock, Nebr. ....	9	3	4	9.6	4
		8	13	12.2	10
Scandia, Kans. ....	10	8	13	13.4	9
Concordia, Kans. ....	8	8	14	11.8	9
Clay Center, Kans. ....	15	9	14	20.9	10
Junction City, Kans. ....	10	10	14	14.7	11
Little Blue:					
Endicott, Nebr. ....	11	8	11	16.2	9
Hanover, Kans. ....	14	9	12	25.0	10
Big Blue:					
Beatrice, Nebr. ....	16	8	10	22.15	9
Barnston, Nebr. ....	18	8	11	33.0	9
Hull, Kans. ....	22			34.3	
Blue Rapids, Kans. ....	20	9	13	39.6	10
Randolph, Kans. ....	22	10	13	30.8	10
Kansas:					
Ogden, Kans. ....	18	11	14	20.7	12
Manhattan, Kans. ....	17	10	15	23.5	11
Wamego, Kans. ....	16	10	14	21.9	11
Topeka, Kans. ....	21	11	14	25.8	12
Lecompton, Kans. ....	17	11	14	21.0	13
Lawrence, Kans. ....	18	12	14	20.3	13
Bonner Springs, Kans. ....		12	15	22.3	13
Grand:					
Gallatin, Mo. ....	20	9	12	27.4	11
Chillicothe, Mo. ....	18	3	4	21.0	3
		9	13	28.3	11
Brunswick, Mo. ....	12	10	20	18.1	15
Osage:					
Quenemo, Kans. ....	30	2	2	31.2	2
LaCygne, Kans. ....	25	12	12	25.0	12
Missouri:					
Blair, Nebr. ....	18	17	19	18.6	18
Nebraska City, Nebr. ....	15	15	21	17.1	20
Kansas City, Mo. ....	22	11	15	24.7	13
Waverly, Mo. ....	18	11	18	20.9	15
Boonville, Mo. ....	21	15	18	22.4	17
St. Charles, Mo. ....	25	15	21	26.9	19

See footnotes at end of table.